



EVALUATION PROCEDURE FOR THE APPOINTMENT OF 1 FULL PROFESSOR PURSUANT TO ARTICLE 24, PARAGRAPH 6 - LAW 240/2010, AT THE POLITECNICO DI MILANO - DEPARTMENT OF MATHEMATICS FOR THE ACADEMIC RECRUITMENT FIELD 11/C2 - LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE, ACADEMIC DISCIPLINE M-FIL/02 - LOGIC AND PHILOSOPHY OF SCIENCE, PROCEDURE CODE 2023_VAL_I_DMAT_1.

1st MINUTES

The Selection Board, appointed with RD Index No. 9297 ref. No. 191984 of 11 agosto 2023, composed by the following professors:

Prof. DATTERI Edoardo - Università degli Studi di Milano - Bicocca;
Prof. RÉDEI Miklós - London School of Economics and Political Science;
Prof. WERNDL Charlotte-Sophie - Paris Lodron Universität Salzburg,

on September 13, 2023 at 10:00 (CET), meets in telematic mode.

The members of the Selection Board take note that no objection to the board members in relation to this selection procedure had reached the University and therefore the Selection Board was fully entitled to operate in accordance with the rules of the competition.

At the start of the session the members of the Selection Board named the Chairman and the Secretary:

WERNDL Charlotte-Sophie, FULL PROFESSOR AT THE PARIS LODRON UNIVERSITÄT SALZBURG, CHAIRMAN;
DATTERI Edoardo, FULL PROFESSOR AT THE UNIVERSITY OF MILANO-BICOCCA, SECRETARY.

The Selection Board inspects the list of applicants, who are:

1) VALENTE, GIOVANNI

Each member of the Selection Board declares not to have conjugal nor family relationship or other degree of kinship or affinity up to the fourth degree, not to be in same-sex civil union (as per art. 1 of Law No. 76 of 20.05.2016) and not to form a cohabiting couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) with the candidates and states that there were no reasons for abstention pursuant to arts. 51 and 52 of the Civil Procedure Code.

The members of the Selection Board also declare, pursuant to art. 35-bis of Legislative Decree 165/2001, not to have criminal convictions, even with non-definitive sentences, for offences provided for in Chapter I, Title II of the second book of the Criminal Code.

The Selection Board notes that the competition procedure must be concluded within **11 November 2023** (3 months from the date of publication of the decree appointing the Selection Board).

The Selection Board also takes note of the scientific and educational profile indicated by the Department:

The candidate will carry out teaching and research activities in the academic discipline M-FIL/02 - Logic and Philosophy of Science. The winner will develop research lines in the field of philosophy of physics, with particular emphasis on foundational issues in statistical mechanics and quantum field theory, as well as working on topics related to climate models and forms of scientific reasoning. The candidate will also be responsible for teaching university courses in philosophy of science and technology, as well as mathematical courses on game theory.

The Selection Board, referring to the scientific and educational profile indicated above, will make use of the following criteria:

- a) quality of scientific and/or project production, assessed on the basis of criteria and parameters recognized by the international scientific community of reference;
- b) didactic activities carried out in Italian or foreign Universities or bodies;
- c) scientific responsibility for funded research projects.

After adequate evaluation, based on the scientific and educational profile indicated by the Department, the Selection Board collectively proceeds to express a judgment for each of the established criteria for each candidate, as well as an overall collective judgment.

CANDIDATE: Valente Giovanni

CRITERIA	JUDGMENT
<p>a) quality of scientific and/or project production, assessed on the basis of criteria and parameters recognized by the international scientific community of reference</p>	<p>The candidate works in the field of philosophy and the foundations of physics. His research concerns the interpretation of quantum probability, issues of causality, ontology and symmetry breaking in relativistic quantum field theory, and irreversibility in thermodynamics and statistical mechanics. His works also focus on philosophical questions related to economics, statistics, climate science and evidence-based medicine.</p> <p>He is the author of 23 peer-reviewed articles published in leading international journals, two contributions in peer-reviewed volumes, and two books. He has co-edited three special issues of international journals and presented his research at 43 international conferences and workshops as an invited speaker. He has obtained three awards for his research and numerous scholarships for research stays in prestigious universities and research centres. He has also contributed to the organisation of 34 international conferences and workshops on the philosophy of physics, of mathematics, and of science at large.</p> <p>Considering the number and temporal distribution of the publications, their impact on the philosophical community and the prestige of the journals, the candidate's scientific production qualifies as excellent.</p>
<p>b) didactic activities carried out in Italian or foreign Universities or bodies;</p>	<p>The candidate has considerable teaching experience. As a professor at the Polytechnic University of Milan, he has held three undergraduate and two graduate courses since 2018 on topics concerning logic, general philosophy of science, philosophy of science, mathematics, philosophy of technology, game theory. Since 2005 he has also held several editions of undergraduate and graduate courses at various international universities. He has also been a member of the PhD dissertation committee of several students in international universities.</p>
<p>c) scientific responsibility for funded research projects;</p>	<p>He obtained a significant number of grants for research projects. In particular, he is principal investigator in an italian-funded (PRIN 2022) project on analogical reasoning in physics and head of the local research unit in another italian-funded project (PRIN 2017). He is supervisor of young researchers awarded with international fellowships (including H202 Marie Skłodowska Curie Actions).</p>

OVERALL COLLECTIVE JUDGEMENT

The candidate's research activity fully falls within the academic discipline M-FIL/02 (Logic and Philosophy of Science). He has carried out research in the field of philosophy of physics, more specifically on the foundations of statistical mechanics and quantum field theory. Recently, he has worked on topics related to climate models and models of scientific reasoning. Considering the number and temporal distribution of the publications, their impact on the philosophical community and the prestige of the journals, the candidate's scientific production qualifies as excellent. He is a highly visible member of the scientific community specialising in his field. He has (had) scientific research responsibilities in several funded research projects and has considerable teaching experience on topics related to logic, general philosophy of science, philosophy of science, mathematics, philosophy of technology, game theory. For these reasons, the candidate is fully qualified to carry out the didactic-scientific functions for which the procedure has been activated.

The Selection Board, taking into account the judgments given, selects, according to the majority of its members, the following candidate, considered most qualified to carry out the didactic-scientific functions for which the procedure has been activated: GIOVANNI VALENTE.

The meeting ended at 11:00 (CET).

Read, approved and signed.

THE SELECTION BOARD

Prof. WERNDL Charlotte-Sophie (Chairman)



Prof. RÉDEI Miklós (Member)



Prof. DATTERI Edoardo (Secretary)

